

REPORT

OF THE

AUCKLAND

INSTITUTE

AND

MUSEUM.

FOR 1881-82.

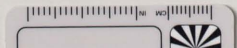
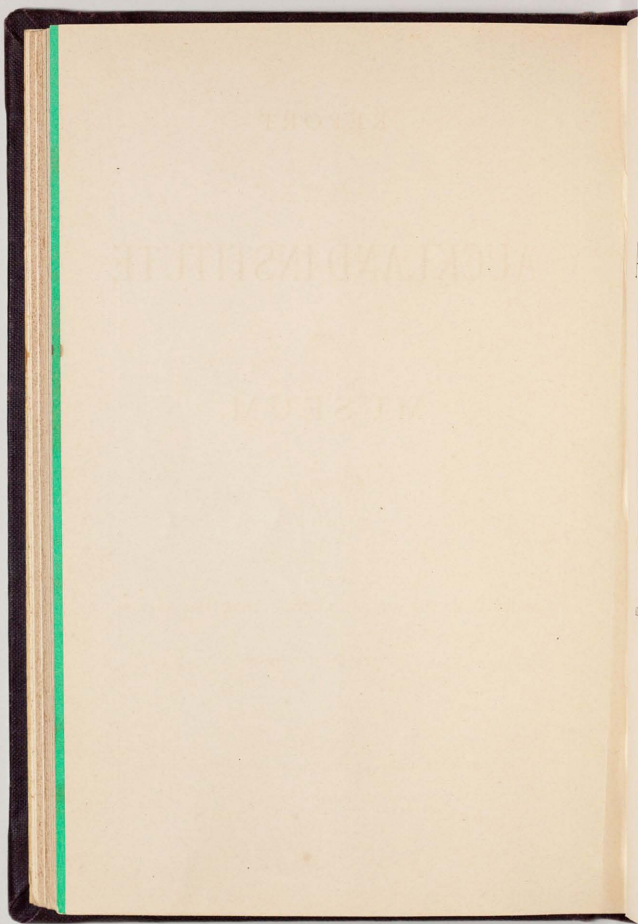
Adopted at Annual Meeting held Feb. 20, 1882.

Auckland:

PRINTED BY H. BRETT, AT THE "STAR" OFFICE, WYNDHAM ST.

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AIM Ann Report
1881 to 1882



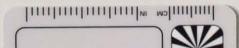
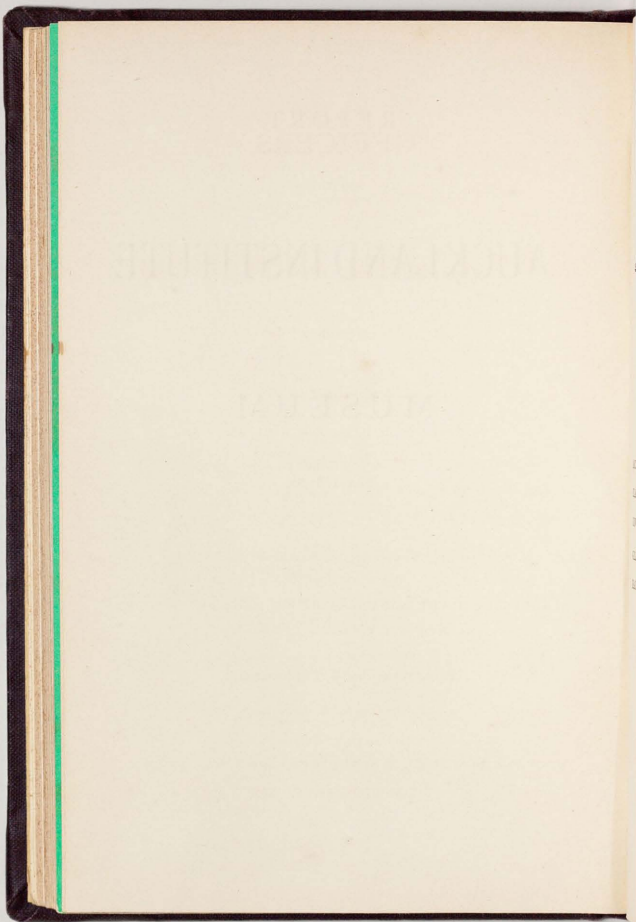
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OFFICERS

OF THE

AUCKLAND INSTITUTE

Council:

PRESIDENT—E. A. MACKECHNIE, Esq.

AICKIN, G., Esq.

CLARK, J. M., Esq.

COWIE, RIGHT REV. W. G., D.D.

GILLIES, HIS HONOR JUSTICE,

HAULTAIN, HON. COLONEL.

HEATH, NEIL, Esq.

MARTIN, J., Esq., F.G.S.

PEACOCK, T., Esq., M.H.R.

POND, J. A., Esq.

PURCHAS, REV. A. G.,

M. R. C. S. E.

SMITH, S. PERCY, Esq., F.R.G.S.

Secretary and Treasurer:

T. F. CHEESEMAN, Esq., F.L.S.

Auditor:

T. MACFFARLANE, Esq.

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THE FOLLOWING MAGAZINES AND PERIODICALS ARE CIRCULATED AMONGST THE MEMBERS;

Quarterly Journal of Microscopical Science
Journal of Science
Popular Science Review
Nature
Geological Magazine
Lancet
Scientific American
The Academy
Botanical Magazine
Gardener's Chronicle
Chemical News
Engineering
Science Gossip
Electrical and Telegraphic Review
Journal of the Society of Arts
Annals and Magazine of Natural History

Winter Session, 1882.

MEETINGS WILL BE HELD ON THE FOLLOWING MONDAY EVENINGS:

MAY 29

AUGUST 28

JUNE 26

SEPTEMBER 25

JULY 31

OCTOBER 23

TO COMMENCE AT 7.30 P.M.

Extracts from the Rules.

1.—Any person desiring to become a Member of the Institute shall be proposed in writing by two Members, and shall be ballotted for at the next meeting of the Council.

2.—New Members on election to pay One Pound One Shilling Entrance Fee, in addition to the usual Subscription of One Pound One Shilling, the Annual Subscription being payable in advance on the first day of April for the then current year.

3.—Members may at any time become Life Members by one payment of Ten Pounds ten shillings, in lieu of future Annual Subscriptions.

REPORT,

THE Council have the pleasure of submitting to the Members the ordinary Annual Report on the financial and general condition of the Society.

MEMBERS.—The number of Members elected during the past year has been 48. In the previous year the number of elections was 30. On the other hand, 23 names have been withdrawn from the roll; 3 from death, 7 by resignation, and 13 by default of subscription. The net increase is thus 25; the total number on the roll at the present time being 302.

FINANCES.—The total revenue for the year (as shewn by the annexed balance-sheet) has been £513 1s. 5d. Of this sum £332 17s. has been contributed by the members' subscriptions. Last year the amount under this head was £282 6s. The expenditure reaches the sum of £503 os. 4d., leaving a credit balance of £10 1s. 1d. There are, however, outstanding accounts to the amount of over £40 remaining to be liquidated, so that the year's operations will eventually shew a small deficit.

MEETINGS.—The monthly meetings for the reading of papers have been held as usual, and were fairly attended. The following is the list of the papers read :—

1. Inaugural Address : by the PRESIDENT.
2. On the Occurrence of the Golden Plover (*Charadrius fulvus*) in New Zealand : by T. F. CHEESEMAN, F.L.S.
3. On some new species of *Carabidæ* : by CAPT. T. BROWN, M.E.S.
4. Notes on the New Zealand Mollusca : by MR. JUSTICE GILLIES.
5. On Crystalline Rocks : by W. D. CAMPBELL, F.G.S.
6. On some additions to the Flora of New Zealand : by T. F. CHEESEMAN, F.L.S.
7. On some new species of Coleoptera : by CAPT. T. BROWN, M.E.S.
8. Notes on Sorghum cultivation in New Zealand : by MR. JUSTICE GILLIES.
9. The Shadow of Justice : by E. A. MACKECHNIE.

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10. The New Zealand *Dasyllidæ* : by CAPT. T. BROUN, M.E.S.
 11. On a Pseudomorphous form of Gold : by W. D. CAMPBELL, F.G.S.
 12. On *Epacris microphylla* in New Zealand : by A. T. URQUHART.
 13. Description of two species of Nudibranchiate Mollusca : by T. F. CHEESEMAN, F.L.S.
 14. New Species of *Curculionidæ* : by CAPT. T. BROUN, M.E.S.
 15. On the Sugar Values of Beets grown in the Waikato District : by J. A. POND.
 16. On Evolution considered from its Religious side : by the REV. S. EDGAR.
 17. On the Swiss Lake Dwellings : by NEIL HEATH.
 18. On the Flora of the Nelson Provincial District : by T. F. CHEESEMAN, F.L.S.
 19. Recent Advances in Photography, with experimental illustrations : by J. MARTIN, F.G.S.
 20. Revision of the New Zealand *Cossonidæ* : by CAPTAIN T. BROUN, M.E.S.
 21. Notice of the Occurrence of the Australian Roller (*Eurystomus pacificus*) in the Auckland District : by T. F. CHEESEMAN, F.L.S.
 22. New Species of *Cerambycidæ* : by CAPT. T. BROUN, M.E.S.
 23. Notes on various subjects : by J. BAER, C.E.
 24. On the percentage of Citric Acid obtained from Limes grown in Auckland and Tahiti : by J. A. POND.
 25. Translation of the Maori Tradition of Maui : by JUDGE MANING.
 26. On the Shore of the Unknown : by E. A. MACKECHNIE.
- Most of the above will appear in the 14th volume of the "Transactions"—now in the press.

MUSEUM.—The number of visitors to the Museum continues to increase in a steady ratio, but as the great majority of those who enter do not sign the visitors' book, it is impossible to give any accurate statistics on this point. The number of additions received during the past year has been large, as will be seen from the list appended to the Report. Those of special interest will be briefly alluded to here.

VERTEBRATA.—The most important addition in this class is an extensive series of birds and mammals, European and exotic, received in exchange from the Imperial Museum of Natural History at Florence, and including altogether 392 skins. Most of these have

been specially selected to fill up blanks in the type collection of Vertebrates that is gradually being formed for the Museum, as funds will allow. An interesting exchange has also arrived from Dr. Garnier, of Ontario, Canada, comprising specimens of North American birds and reptiles, together with a few mammals. Mention should also be made of a nice collection of Humming Birds, kindly presented by the well-known ornithologist, Dr. Finsch. Thanks are also due to Mr. E. A. Plumley for some valuable New Zealand bird-skins. The Council regret that they have only been able to retain the services of a taxidermist for a portion of the year, his work being confined to remounting and adding fresh specimens to the collection of New Zealand birds.

INVERTEBRATA.—A considerable number of small additions has been received, but nothing calling for special mention.

GEOLOGY AND PALEONTOLOGY.—Advantage was taken of the recent visit to Auckland of Professor H. A. Ward, of Rochester, to obtain for the Museum a set of the more valuable of his instructive casts of fossils. The casts have lately arrived from New York, and the greater portion have just been placed in the Museum.

ETHNOLOGY.—The only addition of importance in this department is a valuable collection of specimens from the Swiss Lake dwellings, kindly presented by Mr. J. T. Mackelvie, of London, who has been such a constant and liberal contributor to the Museum for many years.

ART DEPARTMENT.—The Free School of Art established by Dr. Campbell has been regularly kept up, and, as in past years, at his sole expense. The Council trust that his continued and ever ready liberality may be the means of establishing a real and solid knowledge of Art in Auckland. In this place the Council have great and sincere pleasure in drawing the attention of the members to the two magnificent paintings—now within the Museum—presented to the citizens of Auckland by Mr. J. T. Mackelvie. The first is Maclise's grand picture "The Spirit of Justice," being the original design for his fresco of that name in the House of Lords. The other is by Baron Tiesenhausen, an eminent German artist. That two pictures of such undoubted excellence have been permanently secured for Auckland is indeed a most fortunate circumstance, and it is difficult to estimate the advantages to art students and others that will result from Mr. Mackelvie's generous and thoughtful action. It should be mentioned that Mr. Mackelvie reserves to himself the right of removing the pictures from their present home if at some future time a building more especially devoted to Art and Antiquities should be erected in Auckland.

CHECKS TO THE PROGRESS OF THE MUSEUM.—The present time seems to be favourable for pointing out the many serious and growing

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disadvantages under which the Museum is placed in consequence of the want of any regular income beyond the small amount that can be spared from the slender funds of the Institute. Great inconvenience is experienced from the absence of suitable cases and other fittings, not only for the exhibition of the collections to the public, but for the safe storage of specimens received in exchange and waiting the taxidermist's manipulations, etc. Accommodation is also required for the packing, sorting, and temporary storage of specimens collected here for exchange with other Museums. A large proportion of the collections is yet exhibited in cases formerly in the old Museum, most of which are quite unsuited for the purpose, and occupy a considerable amount of space while showing very few articles. With the exception of the new cases erected during the last two or three years, and for which the Museum is indebted to the kindness of a few gentlemen, the whole of the fittings require alteration or renovation, and until this is done it is hopeless to think of a proper arrangement of the collections. Another serious matter is the slow growth of the New Zealand portion of the collections. In the Natural History department of any Museum the primary object should be to obtain, and to exhibit to the public in as full a manner as possible, a complete series of the natural production of the country or district in which it is situated. But with the exception of the Birds and Shells, small progress has been made in this direction here. To mention the Fishes, where it is highly important that there should be a good named collection, especially of the edible species, the cost of stuffing the larger varieties, and the expense of the glass jars and spirits required for the exhibition of the smaller ones, has effectually prevented any advance from being made. Hardly anything has been done towards forming a collection of New Zealand Insects, and this is altogether due to the want of cabinets for their reception, for several collectors would gladly assist if a reasonable prospect existed of their specimens being placed in safety. Again, the cost of glass jars and other requisites has prevented any attention to the whole of the marine invertebrata, with the exception of the shells, while the collection of New Zealand rocks and minerals, which should be one of the most important in the Museum, can only be partially exhibited at present, and is hardly being added to at all.

ENDOWMENT.—A suitable endowment for the Museum is the obvious remedy for the disadvantages described above, and the Council have urgently pressed this upon the notice of Government. Early in the year the Hon. the Minister of Lands was addressed on the question, and engaged to bring it under the notice of his colleagues. Prior to the session of Parliament, a circular was forwarded to the Auckland members explaining the position of the Museum, and asking for their active assistance. Unfortunately the members differed as to the proper mode of bringing the matter

under the notice of Parliament, and much valuable time was lost. Ultimately the Government admitted the justice of the claim, and introduced a Bill to provide for a landed endowment of the capital value of £10,000. It is with great regret that the Council have to state that, owing to the late period at which the Bill was brought forward, it was found impossible to pass it through the House in time, and it consequently lapsed. The Council trust that better success may attend their endeavours during the next session of Parliament.

LIBRARY.—During the year a catalogue of the Library has been compiled and printed, and is now ready for distribution to the members. The usual grant under the Public Libraries Subsidies Act not having been voted by Parliament, the Council have been unable to make any addition of importance to the Library themselves. They have, however, to express their indebtedness to Mr. J. T. Mackelvie for a most welcome and appropriate donation of 104 volumes relating to the early history of the colony. Mr. Mackelvie could hardly have forwarded a more useful addition, or one more likely to prove permanently valuable.

CONCLUSION.—In conclusion the Council have to tender the thanks of the Institute to the numerous donors to the Museum and Library not mentioned in the body of the report. They also wish to draw attention to the continued kind services of Messrs. W. K. Graham and Co and Mr. Hugh Craig, as agents of the Institute in London and San Francisco respectively. Thanks are also due, as in many previous years, to the Pacific Mail Steamship Company, the New Zealand Shipping Company, Messrs. Shaw, Saville and Co., and other firms and establishments, for kindly carrying free all packages intended for the Museum.

The Treasurer in Account with the Auckland Institute.

Dr.

FEBRUARY 14, 1881, TO FEBRUARY 13, 1882.

Cr.

	£	s.	d.		£	s.	d.
Balance in the Bank of New Zealand, February 14, 1881	7	7	9	Books and Periodicals	23	7	2
Entrance Fees and Subscriptions	332	17	0	Additions to Museum, New Fittings	31	0	4
Rents	78	15	0	Museum Requisites, Stationery, Printing, Advertising, Postage, Gas, Insurance, etc.	72	14	5
Receipts from Conversazione	60	7	6	Curator	150	0	0
Other Receipts	33	14	2	Taxidermist	80	0	0
				Messenger, Cleaning, and Attendance	60	0	0
				Expenses of Conversazione	30	12	9
				Life Subscriptions carried to Investment Fund	21	0	0
				Miscellaneous Payments	29	5	8
				Balance in the Bank of New Zealand, February 13, 1882	10	1	1
	£513	1	5		£513	1	5

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INVESTMENT FUND ACCOUNT.

	£	s.	d.		£	s.	d.
Cash in Auckland Savings Bank, February 14, 1881 ..	42	19	1	Cash in Auckland Savings Bank, February 13, 1882 ..	66	4	7
Life Subscriptions	21	0	0				
Interest to December 31, 1881	2	5	6				
	£66	4	7		£66	4	7

Examined, compared with the books, and found correct.

February 15, 1882.

T. MACFFARLANE,
AUDITOR.

T. F. CHEESEMAN, TREASURER

ADDITIONS AND DONATIONS

TO THE

LIBRARY AND MUSEUM.

- Meteorological Report for 1880; Colonial Museum and Laboratory Report for 1880; Broun's Coleoptera, part 2; Hutton's Orthoptera, Hymenoptera and Diptera of New Zealand :—The Director of the Geological Survey.
- Parliamentary Papers and Reports; New Zealand Hansard for 1881; Statistics of New Zealand for 1880 :—The New Zealand Government.
- Statistics of Tasmania for 1880; Walch's Tasmanian Almanac :—The Colonial Secretary, Tasmania.
- Journal of the Royal Society of New South Wales, vol. 14; Report of the Council of Education for 1880; Report of the Department of Mines, 1880 :—The Royal Society of New South Wales.
- Proceedings of the Linnean Society of New South Wales, vols. 5 and 6 :—The Society.
- Smithsonian Report for 1878; Various Pamphlets and Reports :—The Smithsonian Institution.
- Mueller's Select Extra-Tropical Plants :—The Colonial Secretary.
- Bulletin of the Entomological Society of Italy, vols. 1 to 13; Various Pamphlets : Prof. Giglioli, Florence.
- Meteorological Pamphlets and Reports :—E. B. Dickson.
- Murchison's Russia and the Ural Mountains, vol. 2 :—Colonel Haultain.
- Wray's Practical Sugar Planter; Porter on the Sugar Cane; Burton and Drake's Unexplored Syria, 2 vols. :—T. Ball.
- Beaufoy's Nautical and Hydraulic Experiments; Wise's Analysis of Voyages to China; Royal Navy Derrick :—J. Waymouth.
- Gatherings of a Naturalist in Australasia, by Dr. Bennett, F.L.S. :—The Author.
- Poename :—The Author.
- Wade's Journey through New Zealand :—Mr. Justice Gillies.
- Musgrave's Castaways on the Auckland Islands; Giphantia :—F. E. Maning.
- Large Map of New Zealand, shewing Forest Areas :—W. D. Campbell, F.G.S.
- Old Map of Auckland :—A. Brock.
- Cingalese Bible :—Rev. C. Carter.
- Journal of the Royal Geographical Society for 1880; two Volumes of Indices to the Publications of the Society; Photographs of the Viking Ship; Reports of the Meetings of the British Association :—J. T. Mackelvie.

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- Turnbull's Voyage round the World, 1813.
 Nicholas's Voyage to New Zealand, 2 vols., 1817.
 Cruise's Ten Months in New Zealand, 1824.
 Field's New South Wales, etc., 1825.
 The New Zealanders, 1830.
 Earle's Nine Months' Residence in New Zealand, 1832.
 Breton's Excursions in New South Wales, 1833.
 Marshall's Two Visits to New Zealand, 1836.
 Ellis's Polynesian Researches, 5 vols., 1836.
 British Colonization in New Zealand, 1837.
 Yate's Account of New Zealand, 1835.
 Williams's Missionary Enterprise, 1838.
 Polack's New Zealand, 2 vols., 1838.
 Lang's New Zealand in 1839.
 Polack's Manners and Customs of the New Zealanders, 2 vols., 1840.
 Missions at Kishnagur and in New Zealand, 1840.
 First Report of the New Zealand Company, 1840.
 Journal of Civilisation, vol. 1, 1841.
 Terry's New Zealand, 1842.
 Wade's Journey in New Zealand, 1842.
 Russell's Polynesia and New Zealand, 1842.
 Wakefield's Adventures in New Zealand, 2 vols., 1845.
 Wilkes' Narrative of the United States Exploring Expedition, 5 vols., 1845.
 Brodie's Past and Present of New Zealand, 1845.
 Debates in the House of Commons on the State of New Zealand, 1845.
 Brown's New Zealand and its Aborigines, 1845.
 Letters from the Bishop of New Zealand, 1845.
 Handbook to New Zealand, 1845.
 Angus' Savage Life in Australia and New Zealand, 2 vols., 1847.
 Chamerovzow's New Zealand Question, 1848.
 Bree's Pictorial Illustrations of New Zealand, 1849.
 Hursthouse's New Plymouth, 1849.
 Power's Sketches in New Zealand, 1849.
 McKillop's Twelve Months in New Zealand, 1849.
 Fox's Six Colonies of New Zealand, 1851.
 Shortland's Southern Districts of New Zealand, 1851.
 Munday's Our Antipodes, 3 vols., 1852.
 Adams's Spring in the Canterbury Settlement, 1852.
 Williams's New Zealand Dictionary, 1852.
 Grey's Poems, Traditions, and Chaunts of the Maoris, 1853.
 Reid's Australian Goldfields, 1853.
 Auckland the Capital of New Zealand, 1853.
 Chomondely's Ultima Thule, 1854.
 Young's Southern World, 1854.
 Shortland's Traditions of the New Zealanders, 1854.
 Tucker's Southern Cross and Southern Crown, 1855.
 D'Ewe's China, Australia, and the Pacific Islands, 1857.
 Pusely's Australia, Tasmania, and New Zealand, 1858.
 Swainson's New Zealand and its Colonization, 1859.
 Thomson's Story of New Zealand, 2 vols., 1859.

History of the War in the North of New Zealand, 1864.
Wilson's History of Te Waharoa, 1866.
Hunt's Twenty-five Years in New Zealand, 1866.
Taylor's Past and Present of New Zealand, 1868.
Taylor's Our Race and its Origin, 1868.
Local Government in New Zealand, 1868.
Firth's Conference with the King Natives, 1869.
Meade's Ride Through the Disturbed Districts of New Zealand, 1870.
Kennedy's New Zealand, 1873.
Johnston's Maoria, 1874.
Owen's Extinct Wingless Birds of New Zealand, 2 vols., 1878.
Simmon's Old England and New Zealand, 1879.
Colonial Pamphlets, 1 vol.
Pamphlets, 1 vol.

Large Oil Painting by D. MacLise, R.A., "The Spirit of Justice;" Painting by Baron Tiesenhausen, "Fort Kunda;" 5 Etruscan Vases; 15 Specimens of Roman Iridescent Glassware; 2 Amphoræ:—Presented by J. T. Mackelvie, Esq.
Oil Painting:—J. Allen.

392 Skins of Birds and Mammals:—Received in exchange from the Imperial Museum of Natural History, Florence, Italy.
150 Bird Skins, 8 Mammals, 28 Reptiles:—Received in exchange from Dr. Garnier, Ontario, Canada.
96 Bird Skins, 10 Skeletons:—Received in exchange from Dr. Haast, Canterbury Museum.
24 Skins of Humming Birds:—Dr. Finsch.
12 New Zealand Bird Skins:—E. A. Plumley.
2 Skins Crested Grebe (*Podiceps cristatus*):—W. D. Campbell.
New Zealand Bird Skins:—F. H. Combes.
2 Kiwis (*Apteryx Mantelli*):—Major W. G. Mair.
Giant Petrel (*Ossifraga gigantea*):—J. Kenderdine.
Oyster-catcher (*Hematopus unicolor*):—S. E. Hughes, junr.
Skin of Albatross:—T. Powell.
Skin of Morepork:—Hatswell.
Dabchick, Snout of Swordfish (*Xiphias*):—J. Munro.
Skin of Dabchick:—Rev P. Walsh.
Skins of *Platycercus auriceps* (2):—Prof. F. W. Hutton.
Eurystomus pacificus:—C. Cowan.
Nests of Tui, Fantail, and Grey Warbler:—C. O. Davis.
New Zealand Birds' Eggs, British Birds' Eggs:—E. A. Plumley.
Skin of Fallow Deer:—Reid Brothers, Motutapu Island.
Young Kangaroos and Opposums (in spirits):—F. H. Combes.
Blue Shark (*Carcharias brachyurus*):—J. Conley.
Hammer-head Shark (*Zygæna malleus*):—G. Johnstone.
Frost Fish (*Lepidopus*):—E. A. Plumley.
Ringed Water Snakes (from Fiji):—W. W. Wilson.
Globe Fish (*Diodon sp.*):—Mrs. Shera.
Tree Lizards (*Naultinus pacificus*):—J. Sheppard.
Green Lizard (*Naultinus punctatus*):—Miss Woolfield.
Maori Crania:—A. T. Urquhart.
Maori Crania:—R. R. Hunt.
Crania from the Chatham Islands:—A. Shand.
New Zealand Shells:—Prof. F. W. Hutton.
New Zealand Shells:—G. Johnstone.
New Zealand Shells:—C. Matthews.

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New Zealand Shells :—T. F. Cheeseman.
Helix Greenwoodi and other Land Shells :—C. O. Davis.
Helix Busbyi :—W. J. Palmer ; J. Roche.
 Living Specimens of *Helix Busbyi* :—J. Webster.
 Foreign Shells :—J. Dennison.
Hyalaea tridentata ; *Diphyes sp.* :—Dr. Guppy, H.M.S. "Lark."
 New Zealand Butterflies :—J. Symons.

Copper Ore and other Minerals from Cape Colony : - — Killian.
 Dendritic Iron Pyrites ; Specimens of Ambrist ; Calcite and other Minerals :—
 T. P. Moody, Kawakawa Coal Mines.
 Unusually fine Gold Specimen :—The Directors of the Success Gold Mining
 Company.
 Sulphur from White Island :—J. Lonergan.
 Asbestos from New South Wales :—J. Dennison.
 Tridymite from Lyttleton Tunnel :—T. Kirk.
 Silicified Wood :—J. Broberg.
 Fossils from the Tertiaries of Hawke's Bay :—J. Harding.
 Landscape Marble, Rose Quartz, Celestine and other Minerals :—F. W. Paul.
 Large Rock Crystal from Australia (locally known as Butter's Diamond) :—J.
 Reynolds.
 Manganese Ores from the Bay of Islands :—E. Hersey Cooper.
 Native Copper from Nelson :—R. Spratt.
 Iron Pyrites ; Specular Iron Ore from Fiji :—J. Edgerley.
 Fossils from Wanganui :—E. B. Dickson.
 Quartz Crystals and Iron Pyrites from Ballarat :—R. C. Barstow.
 Rock Specimens from Tararu, Thames :— — Bennett.
 Native Arsenic from Coromandel :—Capt. Thomas.
 Various Minerals and Ores :—J. A. Pond.
 Samples of Kauri Gum :—H. P. Barber and Co.
 Samples of Kauri Gum, large block of Gum :—E. Mitchelson and Co.
 Series of Plaster Casts of Fossils :—In exchange from Prof. H. A. Ward,
 Rochester, U.S.

Series of 90 articles from the ancient Swiss Lake Dwellings :—J. T. Mackelvie.
 Maori Stone Mere :—P. Lanigan.
 Maori Stone Adzes :—Albin Martin.
 Large Maori Carvings :—D. M. Beere.
 Pieces of Wood used by the Maoris in procuring Fire :—F. E. Maning.
 Native Dress from Fortuna Island : - Capt. Carmichael.
 Native Cloth from Tutuila :— Mrs. Stodart.
 Umbrella and Whip made from Banana Fibre (from Ceylon) :—Rev. C. Carter.
 Old Gun found at Hokianga :—J. Webster.
 Plaster Casts of Roman and other Coins :—Mrs. Stodart.
 Various Coins :—A. Wilhelmi.
 Block of Coconut Timber :—H. Jones.
 Curious Outgrowth from the trunk of a Kauri Tree :—C. O. Davis.

AUCKLAND INSTITUTE.

LIST OF MEMBERS,

For the Year ending March 31, 1882.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS*].

Adams, J., B.A., Thames
Aickin, G., Auckland
Aitken, W., Auckland
Alexander, C., Auckland
Alexander, I., Auckland
Alexander, J. M., Auckland
Allwright, H., C.E., Auckland
Anderson, H. F., Auckland
Anderson, W., Auckland
Atkin, W., Tamaki

Baber, J., C.E., Remuera
Bagnall, L. J., Thames
Baker, Rev. S., Auckland
Ball, T., Mongonui
Ball, W. T., Auckland
Barber, H. P., Parnell
Barstow, R. C., Epsom
Bartley, E., Devonport
Bates, Rev. J., Devonport
Batger, J., Auckland
Beere, D. M., C.E., Thames
Beetham, A., Henderson
Berry, W., Auckland
Black, G., Thames
Boylan, J. F., C.E., Auckland
Brett, H., Auckland
Brigham, J. M., Auckland
Brock, A., Auckland
Broun, Captain T., M.E.S., Lake
Takapuna
Bruce, Rev. D., Auckland
Buchanan, Jno., Auckland
Buchanan, J., Auckland
Buchanan, W., Devonport
*Buckland, A., Auckland
Buckland, W. F., Remuera
Buddle, Rev. T., Epsom
Buddle, T., Auckland
Bull, A., Epsom
Burgess, E. W., Devonport

*Burton, Capt., London
Burton, W., Auckland
Butt, W. A., Maketu

Cameron, R., Auckland
Cameron, W., Remuera
Campbell, H., Auckland
Campbell, J. L., M.D., Auckland
Campbell, W. D., F.G.S., Auckland
Carr, R. C., Remuera
Chamberlin, Hon. H., Auckland
Chambers, J., Auckland
Cheeseman, T. F., F.L.S., Auckland
Ching, T., Auckland
Clark, A., Parnell
Clark, J. M., Remuera
Clark, M. A., Remuera
Clarke, Ven. Archdeacon E. B., Wai-
mate
Coates, J., Auckland
Cochrane, W. S., Auckland
Coleman, W. C., Parnell
Combes, F. H., Auckland
Comisky, P., Auckland
Cooke, C. E., Auckland
Coombes, S., Auckland
Connell, W. H., Auckland
Cooper, T., Auckland
Cosgrave, J., Auckland
Cowie, Rt. Rev. W. G., D.D.,
Bishop of Auckland
Cranwell, R., Auckland
Cranwell, T., Parnell
Cruckshank, D. B., Auckland

Darby, P., Auckland
Dawson, F. W., M.R.C.S.E., Auck-
land
Dignan, Hon. P., Auckland
Doigson, Miss, Auckland
Douglas, Sir R., Whangarei

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Dowden, W., Auckland
Dufaur, E. T., Auckland
Dufaur, P., Auckland

Earl, W., Ohaewai
Edger, Rev. S., Ponsonby
Edson, J. Devonport
Elam, J., M.R.C.S.E., Tamaki
Ellingham, J., Ponsonby
Elliott, W., Auckland
Errington, W., C.E., Auckland
Esam, J. B., Auckland
Ewington, F. G., Auckland

Fairburn, J., Otahuhu
Fallon, D., Auckland
Farmer, J., London
Fenton, F. D., Auckland
Filder, Capt., Devonport
Firth, J. C., Auckland
Fisher, J., Auckland
Fraser, G., Auckland

Gamble, T. T., Auckland
Garland, H. N., Auckland
George, C. S., Auckland
George, S. T., M.H.R., Kawau
Gibbes, J. A. O., Auckland
Gibbons, E., Onehunga
Gillies, His Hon. Justice, Auckland
Gittos, B., Auckland
Goldie, D., Auckland
Goldsboro, C. F., M.D., Parnell
Goldsmith, E. C., Tauranga
Goodfellow, W., Otara
Gordon, W. P., Papakura
Gorrie, W., Auckland
Grace, W. H., Kihikihi
Graham, W. K., London
Green, Major, Coromandel
Grey, J., Auckland
Grey, W., Auckland
Greenway, J., Russell

Haines, C. H., M.D., F.R.G.S.,
Auckland
Hales, W. P., A.I.C.E., Auckland
Hammond, A. de L., B.A., Parnell
Hammond, W. F., Auckland
Hardie, J., Auckland
Harding, S., C.E., Auckland
Harker, N., Auckland
Harrison, E. M., Auckland
Harrison, Miss, Auckland
Haslett, J., Auckland
Haultain, Hon. Col., Auckland
Hay, D., Parnell
Hay, J., Auckland
Hean, D., Auckland

Heale, T., Parnell
Heath, N., Auckland
Heather, A., Auckland
Hemus, G., Auckland
Henton, J. S., Auckland
Herapath, P., Auckland
Herapath, S. M., Auckland
Hesketh, E., Auckland
Hetley, C. F., Tauranga
Herbert, T., Parnell
Hickson, T. W., Auckland
Hill, W. J., Auckland
Hobbs, R., M.H.R., Pokeno
Holdship, G., Auckland
Honeyman, J. H., M.D., Auckland
Hooper, J. H., M.R.C.S.E., Auckland
Howard, J., Auckland
Hughes, S. E., Auckland
Hunt, R. R., Auckland
Hurst, W. J., M.H.R., Auckland

Ireland, B., Parnell

James, J., Epsom
Johnstone, G., Auckland
Johnstone, G., Auckland
Judd, A., Auckland

Kenny, N., Thames
Kensington, W. C., Parnell
Kinder, Rev. J., D.D., Remuera
*Kirk, T., F.L.S., Christchurch
Kissling, G.S., Parnell
Kissling, T., Parnell

Lamb, J., Auckland
Lanigan, Pierce, Auckland
Larkins, F., Remuera
Larkworthy, F., London
La Roche, C., Auckland
*Leaf, C. J., F.L.S., F.G.S., London
Lee, W., M.D., Auckland
Lennox, J. M., Auckland
Leys, W., Auckland
Lindsay, J., C.E., Ngaruawahia
Lindesay, T., Onehunga
Lodder, W., Auckland
Lodge, W. F., Parnell
Luke, S., Otahuhu
Lusk, H. H., Auckland

MacCormick, J. C., Auckland
Macdonald, A. V., C.E., Auckland
Macdonald, J. E., R.M., Auckland
MacElwaine, J., Newton
Macfarland, R. J., C.E., Ellerslie
Macfarlane, T., Auckland

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Mackechnie, E. A., Auckland
 *Mackelvie, J. T., London
 Mackenzie, D. H., Auckland
 Macky, T., Auckland
 MacLaughlin, W., Papatoitoti
 Maclean, E., Cambridge
 Maclean, J., Tamaki
 Macmillan, C. C., Auckland
 Macrae, F., Auckland
 Mahoney, T., Auckland
 Mair, Capt. G., F.L.S., Tauranga
 Mair, R., Whangarei
 Mair, Major W. G., Auckland
 Maning, F. E., Auckland
 Martin, J., F.G.S., Auckland
 Masefield, T. T., Auckland
 Maunsell, Archdeacon W., Parnell
 *Meinertzhagen, F. M., Napier
 McColl, J., Newmarket
 McCullough, W. M., Thames
 McGregor, A., Auckland
 Mitford, G. M., Parnell
 Moat, W. P., Mahurangi
 Moody, T. P., Kawakawa
 Moore, J. Murray, M. D., Auckland
 Morton, H. B., Auckland
 Morrin, T., Auckland
 Monro, H. A. H., Parnell
 Moss, F. H., M. H. R., Parnell
 Mowbray, J. M., Parnell
 Murdoch, D. L., Auckland
 Murray, T. L., Thames

 Nathan, D., Auckland
 Nathan, L. D., Auckland
 Nelson, Rev. C. M., M. A., Auckland
 Newman, J., Remuera

 Offer, W. J., Auckland
 O'Rorke, Sir G. M., Auckland
 O'Sullivan, R. J., Auckland
 Owen, G. B., Auckland

 Palmer, W. J., Auckland
 Parsons, E. B., Auckland
 Paul, Rev. Jas., Onehunga
 Peacock, T., M. H. R., Auckland
 Pierce, G. P., Auckland
 Plumley, E. A., Auckland
 Pond, J. A., Auckland
 Purchas, Rev. A. G., M. R. C. S. E., Auckland

 Rattray, W., Auckland
 Rawlings, M., Parnell
 Rayner, G., Coromandel
 Reid, J., Auckland
 Richmond, J., Auckland

Robertson, J., Auckland
 Rose, R., Auckland
 Runciman, Rev. D. W., Ponsonby
 Russell, Jas., Auckland
 Russell, J. B., Auckland
 *Russell, T., London
 Rye, Lewis, Otamatea

 Sanders, C. W., Parnell
 Saunders, A., Auckland
 Scott, W., Paterangi
 Sharland, J. C., Auckland
 Sheath, A., Parnell
 Shrewsbury, A., Parnell
 Sibbin, G., Auckland
 Sinclair, A., Auckland
 Smales, Rev. G., East Tamaki
 Smith, H. G. S., Auckland
 Smith, S. P., F. R. G. S., Parnell
 Spicer, A., Auckland
 Stevenson, R. H., Auckland
 Stewart, J., C. E., Auckland
 Stewart, T. M., Melbourne
 Stockwell, W., M. R. C. S. E., Auckland
 Stodart, J., Ponsonby
 Stodart, Mrs., Ponsonby
 Stoddart, Mrs. General, Ponsonby
 Stone, C. J., Auckland
 Street, C. H., Parnell

 Taylor, A. K., Mount Albert
 Taylor, J., Auckland
 Thomas, Captain, Coromandel
 Thomson, Neil, Mahurangi
 *Tinae, H., Liverpool
 Tinne, T. F. S., Auckland
 Tonks, B., Auckland
 Tyler, E. K., Auckland

 Upton, J. H., Auckland
 Urquhart, A. T., Karaka

 Vaile, S., Auckland
 Vickers, S., Auckland

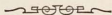
 Waddell, E. R., Auckland
 Wade, H. G., Auckland
 Wallis, Rev. Dr., Auckland
 Watkins, K., Devonport
 Watt, H. A., Auckland
 Waymouth, J., Auckland
 Webster, J., Hokianga
 *Weetman, S., Auckland
 Whitaker, A. E., Auckland
 Whitaker, E. H., Auckland
 Whitaker, Hon. F., Auckland
 White, F. A., Auckland
 Whitson, R., Auckland

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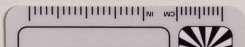
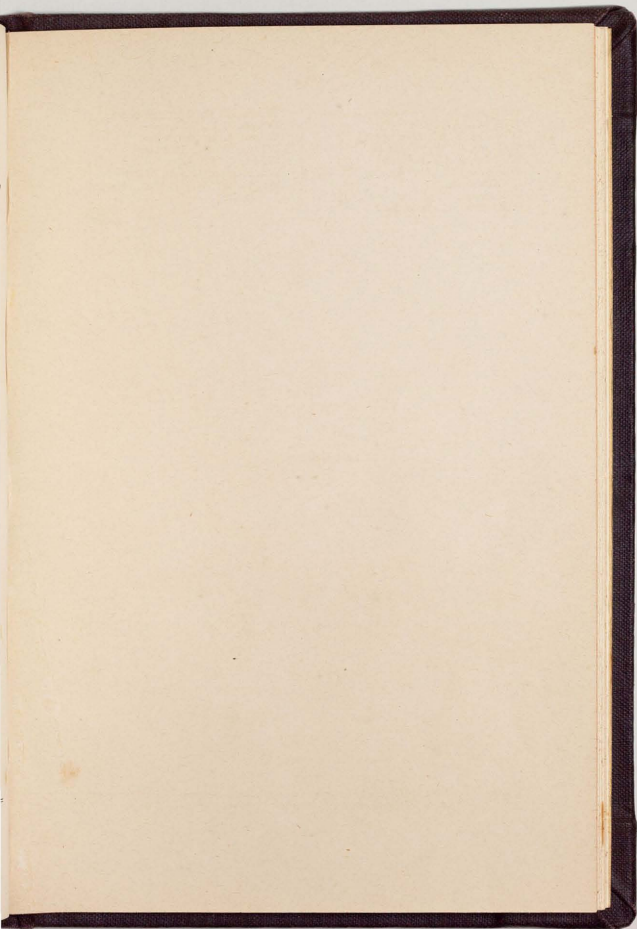
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Wilkinson, G. T., Thames
Will, W., Auckland
Wilcocks, E. G., Devonport
Williams, G. W., Remuera
Williams, S. J., Auckland
Williams, Ven. Archdeacon, W. L.,
Gisborne.
Williamson, Hon. Jas., Auckland
Williamson, C., Auckland

Wilson, D. C., Maungakarama
Wilson, J. J., Whangarei
Wilson, J. L., Auckland
Wilson, W. S., Auckland
Winks, J., Parnell
Worthington, H., Auckland
Wright, F. W., L.M.B., Toronto,
Parnell



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